(-based on data from 03/01/1998 to 02/28/2003)

Lower Leon Creek

Segment: 1906 San Antonio River Basin

Basin number: 19

Basin group: E

Water body description: From the confluence with the Medina River in Bexar County to a point 100 meters (110 yards) upstream of SH 16 northwest of San Antonio in Bexar County

Water body classification: Classified

Water body type: Freshwater Stream

Water body length / area: 32 Miles

Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met in 2004 Assessment Area	Use	Support Status	Parameter	Category
From 2 miles upstream of Hwy 353 to Hwy 90	Fish Consumption Use	Not Supporting	PCBs in fish tissue	5a
Lower 3 miles of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Remainder of segment	Contact Recreation Use	Not Supporting	bacteria	5c

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
From 2 miles upstream of Hwy 353 to Hwy 90	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
From 3 miles upstream lower end of segment to confluence with Indian Creek	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
From Hwy 353 to two miles upstream	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
From confluence with Indian Creek to Hwy 353	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Lower 3 miles of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Remainder of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

Parameters Removed from the 2002 303(d) List: bacteria

Additional Information: The public water supply, and general uses are fully supported.

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This segment was identified on the 2000 303(d) List as partially supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

2004 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
From 2 miles upstream of Hwy 353 to Hwy 90	Aquatic Life Use	Use Concern	depressed dissolved oxygen
From 2 miles upstream of Hwy 353 to Hwy 90	Contact Recreation Use	Use Concern	bacteria
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	cadmium in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	chromium in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	lead in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	nickel in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	silver in sediment
From 2 miles upstream of Hwy 353 to Hwy 90	Sediment Contaminants Concern	Concern	zinc in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Contact Recreation Use	Use Concern-Limited Data	bacteria
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	cadmium in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	chromium in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	lead in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	nickel in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	silver in sediment
From 3 miles upstream lower end of segment to confluence with Indian Creek	Sediment Contaminants Concern	Concern	zinc in sediment
From Hwy 353 to two miles upstream	Contact Recreation Use	Use Concern-Limited Data	bacteria
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	cadmium in sediment

(-based on data from 03/01/1998 to 02/28/2003)

2004 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	chromium in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	lead in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	nickel in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	silver in sediment
From Hwy 353 to two miles upstream	Sediment Contaminants Concern	Concern	zinc in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	cadmium in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	chromium in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	lead in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	nickel in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	silver in sediment
From confluence with Indian Creek to Hwy 353	Sediment Contaminants Concern	Concern	zinc in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	cadmium in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	chromium in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	lead in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	nickel in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	silver in sediment
Lower 3 miles of segment	Sediment Contaminants Concern	Concern	zinc in sediment
Remainder of segment	Contact Recreation Use	Use Concern	bacteria
Remainder of segment	Sediment Contaminants Concern	Concern	cadmium in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	chromium in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	lead in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	nickel in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	silver in sediment
Remainder of segment	Sediment Contaminants Concern	Concern	zinc in sediment

Monitoring sites used: Assessment Area	Station ID	Station Description
From 2 miles upstream of Hwy 353 to Hwy 90	12841	LEON CREEK AT LOW WATER CROSSING AT RUIZ RANCH 1.88 KM DOWNSTREAM OF LOOP 13 SOUTH OF SAN ANTONIO
From 3 miles upstream lower end of segment to confluence with Indian Creek	12836	LEON CREEK AT SH 16, 4 MI. WEST OF MITCHELL LAKE
From Hwy 353 to two miles upstream	12840	LEON CREEK AT QUINTANA ROAD IN SAN ANTONIO

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Monitoring sites used: Assessment Area	Station ID	Station Description
From confluence with Indian Creek to Hwy 353	12838	LEON CREEK AT IH 35 SOUTH OF SAN ANTONIO
Lower 3 miles of segment	14198	LEON CREEK UPSTREAM FROM LEON CREEK WWTP
Remainder of segment	14209	LEON CREEK UPSTREAM RODRIGUEZ PARK

Published studies: Publication	Date	Author
AS-28/SR Leon Creek	Nov. 1989	Dela Cruz, A (Region 13)
IMS 45 Leon Creek	July 1974	Rathburn, D.

Historical fish kills: Date	Location	Fish Killed	Suspected Cause
9/2/1996	Leon Creek	165	Low Dissolved Oxygen
1/8/1999	Kelly AFB at outfall #1 near Military Dr and Leon Creek	1	Pollutant